

ABSTRACT OF THE DISCLOSURE

When an image representing positional information, formed with black spot pattern and the other image formed with color inks including cyan, magenta, and yellow are recorded on the same recording medium, the gradient of color data is corrected during data preparation of colors used for recording the image other than the black spot pattern, according to the duty of the black spot pattern. Thus, even if the other image is recorded to overlap with the black spot pattern, color changes of the image can be prevented to produce a high-quality image.